Significant Activity – Oct 12-13

**Significant Events:** None

**Tropical Activity:**
- Atlantic – Hurricane Nicole
- Eastern Pacific – Disturbance 1 – Low (20%)
- Central Pacific – Disturbance 1 – Low (20%); Disturbance 2 – Low (10%)
- Western Pacific – Invest 94W – Medium

**Significant Weather:**
- Flash Flooding – northern California
- Heavy rain – northern California to Pacific Northwest (7-9 inches)
- Rain and Thunderstorms – Pacific Northwest to northern California, Central/Southern Rockies, Southern Plains to Lower Mississippi Valley, and portions of Florida
- Rain and Snow – Northern Intermountain & Rockies
- Space Weather – Past 24 hours – G1 geomagnetic storms; next 24 hours – G2 geomagnetic storms

**Earthquake Activity:** No significant activity

**Declaration Activity:**
- Major Disaster Declaration request – WI
- Amendment No. 2 to FEMA-4285-DR-NC
NWS River Flood Forecasts

River Flood Forecast
- Minor Flooding
- Moderate Flooding
- Major Flooding
River Basins of Concern and Trends

**River Flood Trends**
Includes Gauged Locations Exceeding Major Flood Stage

- Past Crest
- Near Crest
- River Rises

Additional river flooding likely outside of gauged locations

- Edisto
- Little Pee Dee
- Waccamaw
- Tar
- Neuse
- NE Cape Fear
- Lumber
North Carolina River Flood Outlooks

- **At 22 feet**, evacuation of homes, flooding begins on Seymour Johnson Air Force Base.
- **Could reach record flood stage (27.7 ft)** this weekend.
  - At 27 feet, disastrous flooding; up to 2 ft likely – causing evacuations in the area.
- **At 24 feet**, severe flooding, numerous homes near river will flood countywide.
- **At 18 feet**, evacuations of residents near the river.
- **At 27 feet**, disastrous flooding; up to 2 ft likely – causing evacuations in the area.
South Carolina River Flood Outlooks

Peaked at 16.22 feet
Previous record: 16 feet
At 12 feet, flood waters affect homes in Fork Retch

Projected to peak at 16.2 feet
At 15 feet, residential flooding
Hurricane Matthew – Impacts

Impacts/Critical Infrastructure

- 34 (+8) confirmed fatalities: 9 (+5) in FL, 18 (+1) in NC, 3 in SC, and 4 in GA  (RIV Update, 1:30 p.m. EDT, Oct 12)
- Mainstream river flooding are the concern in the Carolinas; dam assessments are ongoing
  o NC:10 (+2) confirmed breaches
  o SC: 5 (+1) confirmed breaches
- Cellular service outages continue to decline across impacted area
- Several hospitals remain closed
- Transportation Infrastructure:
  o Numerous bridge and road closures remain throughout the region; most secondary roads and some highways
  o I-95 closed in multiple locations; portions of I-40 closed in NC
  o Some east coast ports remain impacted

<table>
<thead>
<tr>
<th>State</th>
<th>Previous Outage</th>
<th>Current Outage</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC</td>
<td>104,297</td>
<td>46,146</td>
<td>-61,360</td>
</tr>
<tr>
<td>SC</td>
<td>106,911</td>
<td>51,359</td>
<td>-54,939</td>
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<tr>
<td>GA</td>
<td>40,969</td>
<td>10,428</td>
<td>-30,400</td>
</tr>
</tbody>
</table>

Source: DOE EAGLE-I as of 7:45 a.m. EDT, October 13

Photo Credit: US&R MO TF-1 assists survivors in GA
Hurricane Matthew – Response

**North Carolina**: FEMA-3380-EM-NC / FEMA-4285-DR-NC
- EOC at Full Activation
- Four Swift Water Rescue Teams and three US&R Team activated

**South Carolina**: FEMA-3378-EM-SC / FEMA-4286-DR-SC
- EOC remains at Full Activation

**Georgia**: FEMA-3379-EM-GA / FEMA-4284-DR-GA
- EOC remains at Full Activation

**Florida**: FEMA-3277-EM-FL / FEMA-4283-DR-FL
- EOC at Partial Activation
- US&R FL-TF1 and FL-TF2 released to Florida (State Asset)

**FEMA Region IV:**
- RRCC: Level III (day shift); RWC: Enhanced Watch (night shift)
- RRCC transitioned operational control of FEMA-4283-DR-FL to FCO
- IMAT-1 deployed to NC EOC
- IMAT-2 deployed to IOF in Tallahassee, FL
- LNOs deployed to FL, NC, SC & GA EOC’s
- Hurricane Liaison deployed to National Hurricane Center
- Region IV DCE deployed to FL

**FEMA HQ:**
- NRCC: Not Activated, NWC: Enhanced Watch (24/7)
- National IMATs:
  - West: FL EOC
  - East 1: GA IOF (DR-4284)
  - East 2: LA JFO
- Region I IMAT deploying to Raleigh, NC
- Region V: IMAT deployed to SC EOC;
- Region IX IMAT-2 deployed to SC EOC; DCE demobilized
- Region VIII DCE demobilized
- Disaster Emergency Communications:
  - 89 MERS personnel deployed from all 6 detachments
  - 26 Mobile Communication Vehicles (MCOV) deployed
  - 101 vehicles and associated support equipment

<table>
<thead>
<tr>
<th>State</th>
<th># Shelters</th>
<th>Change</th>
<th>Occupants</th>
<th>Change</th>
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<tbody>
<tr>
<td>NC</td>
<td>39</td>
<td>-18</td>
<td>2,625</td>
<td>-1,171</td>
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<tr>
<td>SC</td>
<td>14</td>
<td>+2</td>
<td>437</td>
<td>-61</td>
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<tr>
<td>GA</td>
<td>4</td>
<td>+1</td>
<td>123</td>
<td>+53</td>
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<tr>
<td>FL</td>
<td>3</td>
<td>+2</td>
<td>38</td>
<td>+2</td>
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<tr>
<td>TOTAL</td>
<td>60</td>
<td>-13</td>
<td>3,223</td>
<td>-1,177</td>
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</tbody>
</table>

Source: ARC Midnight Shelter Count, as of 4:42 am EDT, October 13
National Weather Forecast

Today

Tomorrow
Active Watches and Warnings

http://www.nws.noaa.gov/view/largemap.php
Precipitation Forecast – Days 1-3

Day 1
Day 2
Day 3
Space Weather

<table>
<thead>
<tr>
<th></th>
<th>Space Weather Activity</th>
<th>Geomagnetic Storms</th>
<th>Solar Radiation</th>
<th>Radio Blackouts</th>
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</thead>
<tbody>
<tr>
<td>Past 24 Hours</td>
<td>Minor</td>
<td>G1</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Next 24 Hours</td>
<td>Moderate</td>
<td>G2</td>
<td>None</td>
<td>None</td>
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</tbody>
</table>

For further information on NOAA Space Weather Scales refer to [http://www.swpc.noaa.gov/noaa-scales-explanation](http://www.swpc.noaa.gov/noaa-scales-explanation)

### HF Communication Impact

![HF Communication Impact](image)

### Sunspot Activity

![Sunspot Activity](image)
Tropical Outlook – Atlantic

Hurricane Nicole (CAT 3) (Advisory 37A, as of 8:00 a.m. EDT)
• Located 55 miles SSW of Bermuda; will pass near Bermuda later this morning
• Moving NNE at 15 mph
• Maximum sustained winds 125 mph
• Hurricane-Force Winds extend 65 miles
• Tropical-Storm-Force Winds extend 175 miles
• No impacts to US territories
Tropical Outlook – Eastern Pacific

**Disturbance 1 (as of 2:00 a.m. EDT)**

- Located several hundred miles SW of Mexico coast
- Moving WNW at 15-20 mph
- Slow development possible next several days
- Formation chance through 48 hours: Low (20%)
- Formation chance through 5 days: Medium (40%)
Tropical Outlook – Central Pacific

**Disturbance 1** (as of 2:00 a.m. EDT)
- Located 950 miles SW of Honolulu, HI
- Moving WNW at 15-20 mph
- Any development will be slow to occur next couple of days
- Formation chance through 48 hours: Low (20%)

**Disturbance 2** (as of 2:00 a.m. EDT)
- Located 780 miles S of Hilo, HI
- Moving W at 15 mph
- Any development will be slow to occur next couple of days
- Formation chance through 48 hours: Low (10%)
Tropical Outlook – Western Pacific

Tropical Disturbance – Invest 94W (as of 2:30 p.m. EDT)
- Located 435 miles SSE of Anderson AFB, Guam
- Moving NW; maximum sustained winds at 25-30 mph
- Conditions favorable for gradual organization
- Formation chance through 48 hours: Medium
<table>
<thead>
<tr>
<th>Region</th>
<th>State / Location</th>
<th>Event</th>
<th>IA/PA</th>
<th>Number of Counties</th>
<th>Start – End</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Requested</td>
<td>Completed</td>
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<tr>
<td>V</td>
<td>Minnesota</td>
<td>Severe Storms and Flooding September 21, 2016 – continuing</td>
<td>IA</td>
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<tr>
<td></td>
<td></td>
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<td>PA</td>
<td>9</td>
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<tr>
<td>VII</td>
<td>Iowa</td>
<td>Severe Storms and Flooding September 21 – October 3, 2016</td>
<td>PA</td>
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<tr>
<td>X</td>
<td>Alaska</td>
<td>Kotlik Structure Fire August 18, 2016</td>
<td>PA</td>
<td>1</td>
<td>0</td>
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# Disaster Requests & Declarations

<table>
<thead>
<tr>
<th>Declaration Requests in Process</th>
<th>Requests APPROVED (since last report)</th>
<th>Requests DENIED (since last report)</th>
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<tbody>
<tr>
<td><strong>3</strong></td>
<td>Date Requested</td>
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<tr>
<td>Navajo Nation – DR Severe Storms and Flooding</td>
<td>September 21, 2016</td>
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<tr>
<td>Kansas – DR Severe Storms and Flooding</td>
<td>October 10, 2016</td>
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</tr>
<tr>
<td>Wisconsin – DR Severe Storms, Flooding and Mudslides</td>
<td>October 11, 2016</td>
<td></td>
</tr>
</tbody>
</table>
Wisconsin

- Governor requested a Major Disaster Declaration on October 11, 2016
- As a result of severe storms, flooding and mudslides during the period of September 21-22, 2016
- Requesting
  - Public Assistance for 12 counties
  - Hazard mitigation statewide
## Disaster Amendments

<table>
<thead>
<tr>
<th>Amendment</th>
<th>Effective Date</th>
<th>Action</th>
</tr>
</thead>
</table>
| Amendment No. 2 to FEMA-4285-DR-NC | October 12, 2016 | • Adds one county for Individual Assistance (already designated for Categories A & B & Direct Federal Assistance)  
• Adds two counties for Individual Assistance (Categories A & B, plus Direct Federal Assistance) |
## Readiness – Deployable Teams and Assets

<table>
<thead>
<tr>
<th>Resource</th>
<th>Status</th>
<th>Total</th>
<th>FMC Available</th>
<th>Partially Available</th>
<th>Not Available</th>
<th>Detailed, Deployed, Activated</th>
<th>Comments</th>
<th>Rating</th>
<th>Rating Criterion</th>
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<td>FCO</td>
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<td>6</td>
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<td>29</td>
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<td>OFDC Readiness:</td>
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<td></td>
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<td>FCO Yellow</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>FCO Red</td>
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<tr>
<td>FDRC</td>
<td></td>
<td>10</td>
<td>1</td>
<td>10%</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>US&amp;R</td>
<td></td>
<td>28</td>
<td>25</td>
<td>89%</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td></td>
<td>Blue IST to GA</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NY-TF1, MO-TF1, PA-TF1 working in NC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MD-HEPP working in NC</td>
</tr>
<tr>
<td>National IMAT</td>
<td>3</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>Blue IST to GA</td>
<td>NY-TF1, MO-TF1, PA-TF1 working in NC</td>
<td>MD-HEPP working in NC</td>
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<td>Regional IMAT</td>
<td>13</td>
<td>3</td>
<td>23%</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>Blue IST to GA</td>
<td>NY-TF1, MO-TF1, PA-TF1 working in NC</td>
<td>MD-HEPP working in NC</td>
</tr>
<tr>
<td>MERS</td>
<td></td>
<td>18</td>
<td>14</td>
<td>78%</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td></td>
<td>Groveland, Ocala, and Tallahassee, FL</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Albany, Augusta, Dobbins ARB, Thomasville, GA Fort Bragg, Lumberton, Raleigh, and Rockingham, NC Columbia, SC</td>
</tr>
</tbody>
</table>

**Rating:**
- **Green:** Available / FMC
- **Yellow:** Available / PMC
- **Red:** Out-of-Service
- **Blue:** Assigned / Deployed

### National IMAT
- **Deployed:** East 1 to Region IV (Hurricane Matthew) East 2 to LA (DR-4277) West to FL (Hurricane Matthew)
- **Rating:** Green: 3 available Yellow: 1-2 available Red: 0 available (Individual N-IMAT red if 50% of Section Chiefs and/or Team Leader is unavailable for deployment.)

### Regional IMAT
- **Deployed:** Region I to Raleigh, NC Region IV-1 to NC (Hurricane Matthew) Region IV-2 to FL (Hurricane Matthew) Region V & Region IX-2 to SC (Hurricane Matthew) Region VI-2, Region VIII & Region X to LA (DR-4277) Region VII to IA (DR-4281) Region IX-1 to HI (DR-4282)
- **Rating:** Green: >6 teams available Yellow: 4 - 6 teams available Red: < 4 teams available R-IMAT also red if TL Ops / Log Chief is unavailable & has no qualified replacement

### MERS
- **Deployed:** Groveland, Ocala, and Tallahassee, FL Albany, Augusta, Dobbins ARB, Thomasville, GA Fort Bragg, Lumberton, Raleigh, and Rockingham, NC Columbia, SC
- **Rating:** Green = >66% available Yellow = 33% to 66% available Red = <33% available
## Readiness – National and Regional Teams

<table>
<thead>
<tr>
<th>Resource</th>
<th>Status</th>
<th>Total</th>
<th>FMC Available</th>
<th>Partially Available</th>
<th>Not Available</th>
<th>Status</th>
<th>Comments</th>
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<tbody>
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<td>NWC</td>
<td></td>
<td>5</td>
<td>5 100%</td>
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<td>0</td>
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<td>Enhanced Watch, <strong>Day shift only</strong> (Hurricane Matthew)</td>
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<tr>
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<td>2</td>
<td>2 100%</td>
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<td>Not Activated</td>
<td></td>
</tr>
<tr>
<td>HLT</td>
<td></td>
<td>1</td>
<td>1 100%</td>
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<td>0</td>
<td>Activated</td>
<td></td>
</tr>
<tr>
<td>RRCCs</td>
<td></td>
<td>10</td>
<td>10 100%</td>
<td>0</td>
<td>0</td>
<td>Activated</td>
<td>Region IV at <strong>Level III</strong>, Day shift only (Hurricane Matthew)</td>
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<tr>
<td>RWCs/MOCs</td>
<td></td>
<td>10</td>
<td>10 100%</td>
<td>0</td>
<td>0</td>
<td>Activated</td>
<td>Region IV at Enhanced Watch, Night shift only (Hurricane Matthew)</td>
</tr>
</tbody>
</table>

- **Green** = FMC
- **Yellow** = PMC
- **Red** = NMC
FEMA’s mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.